



Nanomaterials-Based Energy Storage Devices

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Message from the Guest Editors

Dear Colleagues,

The booming development of the economy and society is constantly changing our daily life. People are surrounded by various electronic devices that require high-performance energy storage. Supercapacitors and batteries are typical energy storage devices based on reversible electrochemical reaction on the surface of electrode materials or in the bulk. Different energy storage mechanisms have different advantages, such as high power density for supercapacitors and high energy density for batteries, providing the possibility of utilizing them complementarily in practical applications such as electrical vehicles and portable devices. This Special Issue aims to collect high-quality research papers and review articles that focus on the design, fabrication, and advanced characterization of nanomaterials for energy storage.

- nanomaterials
- supercapacitors
- Li-ion batteries
- Na/K/Mg/Al-ion batteries
- Li-metal batteries
- electrolytes





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